

Fiscal Year 2021 Operating Budget



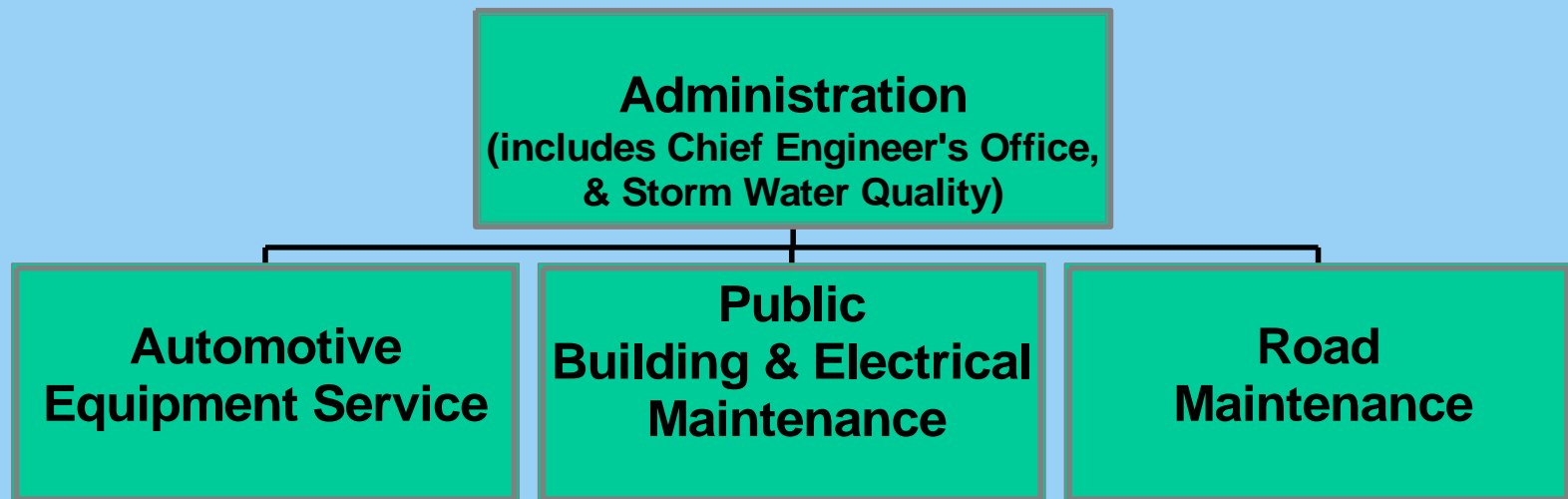
Department of Facility Maintenance

March 16, 2020

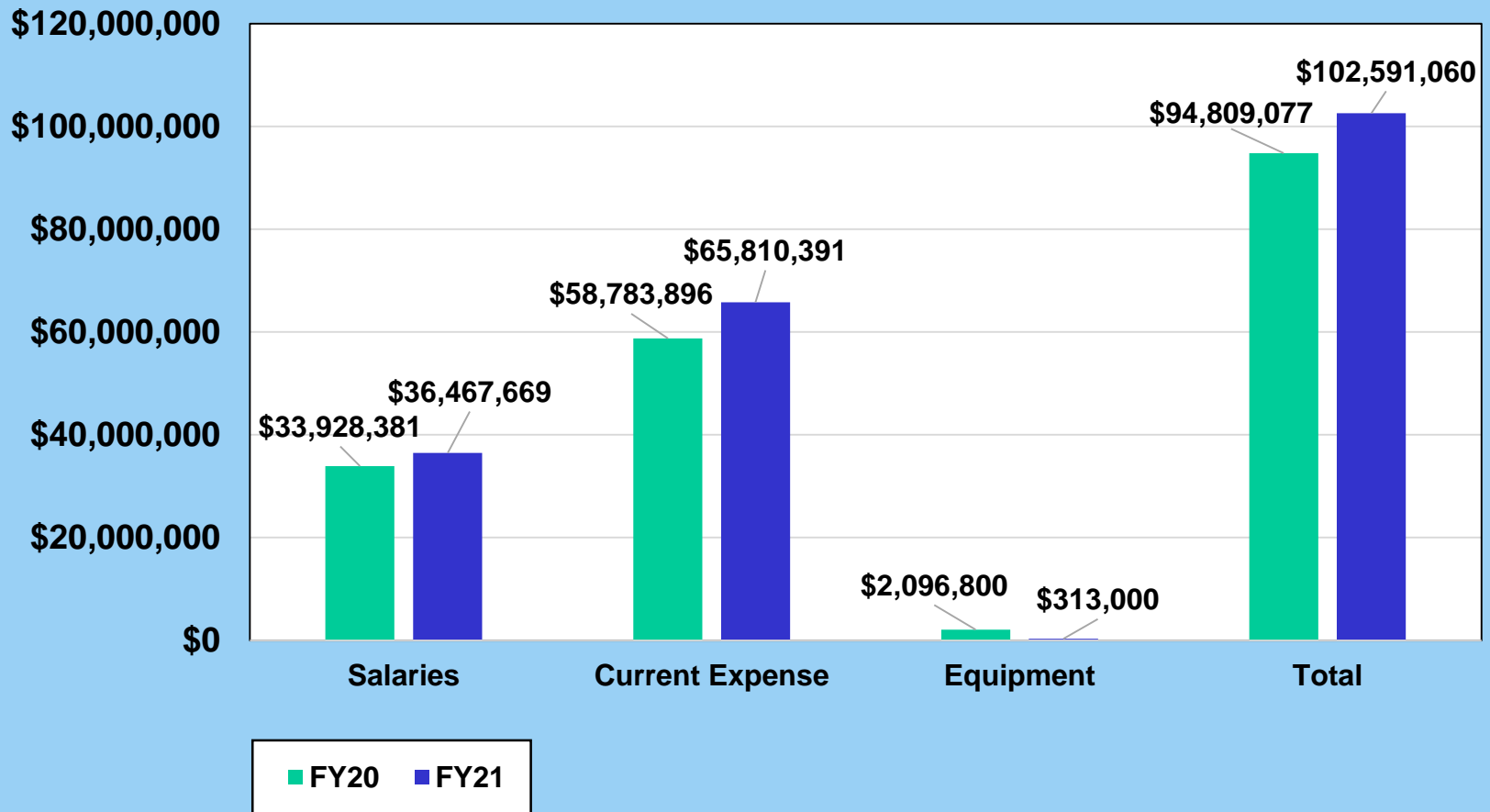
DEPT. COM. 203
BUDGET

Department of Facility Maintenance

Organization

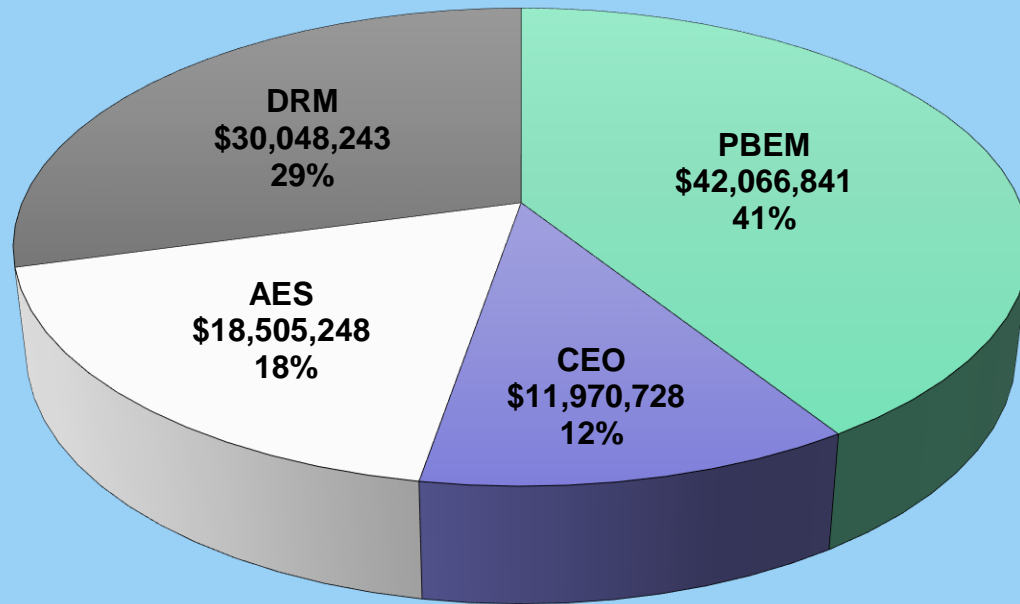


Total Department of Facility Maintenance Budget \$102,591,060



Division Allocation

\$102,591,060



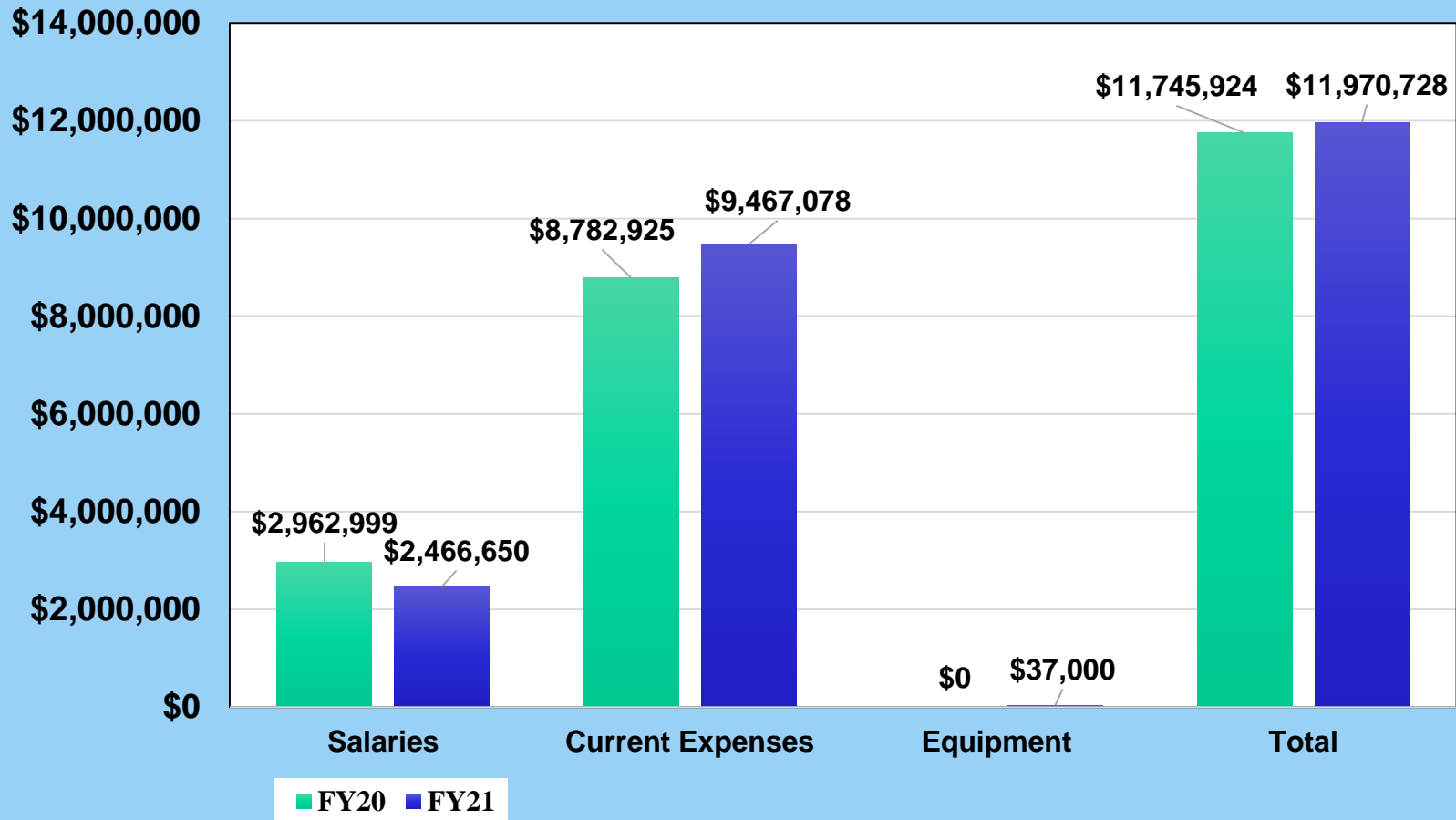
DEPARTMENT OF FACILITY MAINTENANCE
FUND SOURCE

	<u>FY20</u>	<u>FY21</u>
General Fund	\$40,408,360	\$41,169,804
Highway Fund	39,729,221	47,731,246
Highway Beautification Fund	2,347,080	552,591
Bikeway Fund	35,316	35,316
Sewer Fund	1,732,188	1,633,447
Bus Transportation Fund	133,415	1,176,940
Refuse Genl Operating Acct-SWSF	5,211,749	5,145,858
Recycling Account-SWSF	5,211,748	5,145,858
TOTAL	\$94,809,077	\$102,591,060

ADMINISTRATION

\$11,970,728

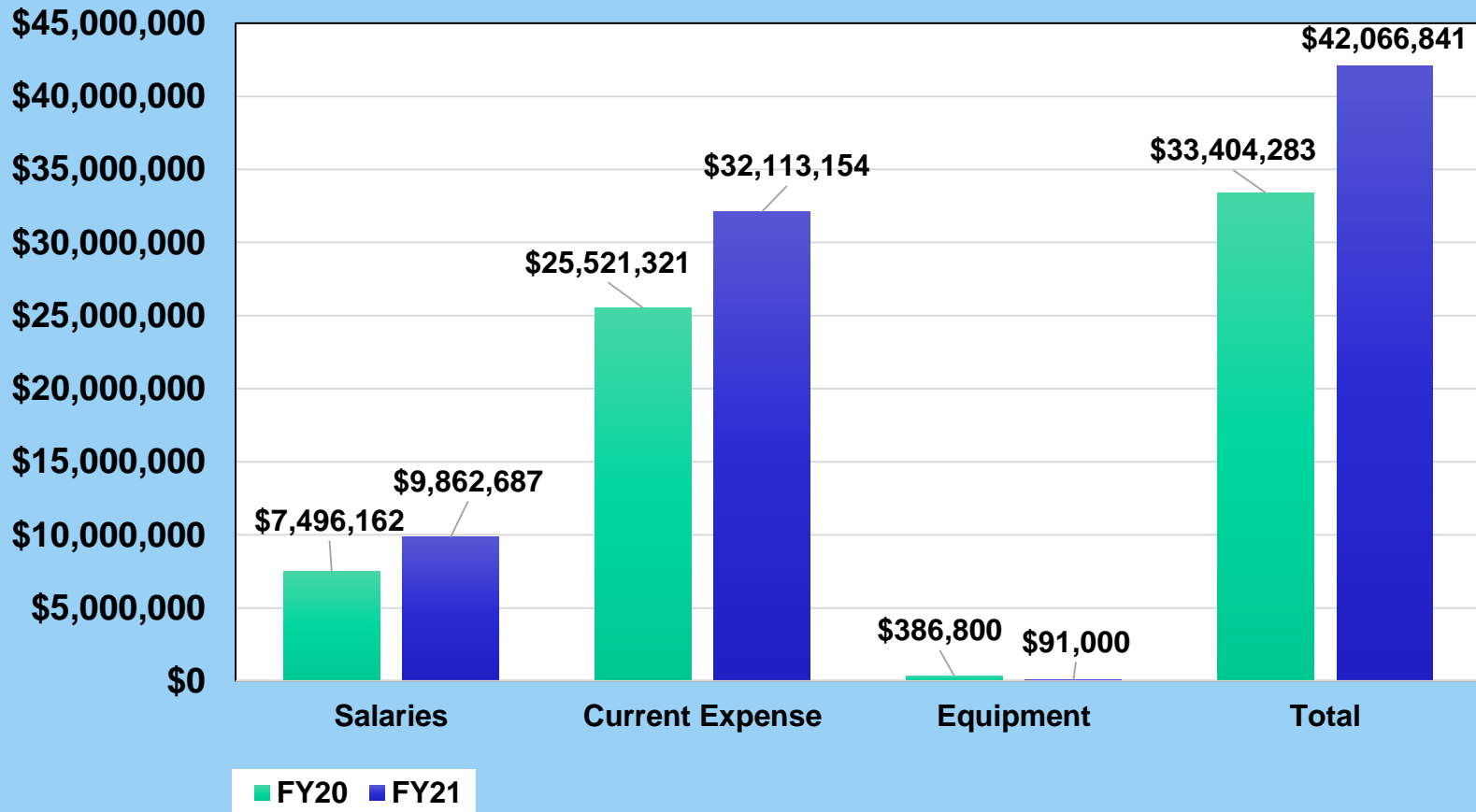
- Salary decrease of 16.8% over FY20 salaries due to the increase in the number of vacant positions.
- Increase in current expenses due to an increase in consultant services for SWQ programs and other contractual services for small projects to be managed in-house by CEO.
- Equipment cost increase of \$37,000.



PUBLIC BUILDING & ELECTRICAL MAINTENANCE

\$42,066,841

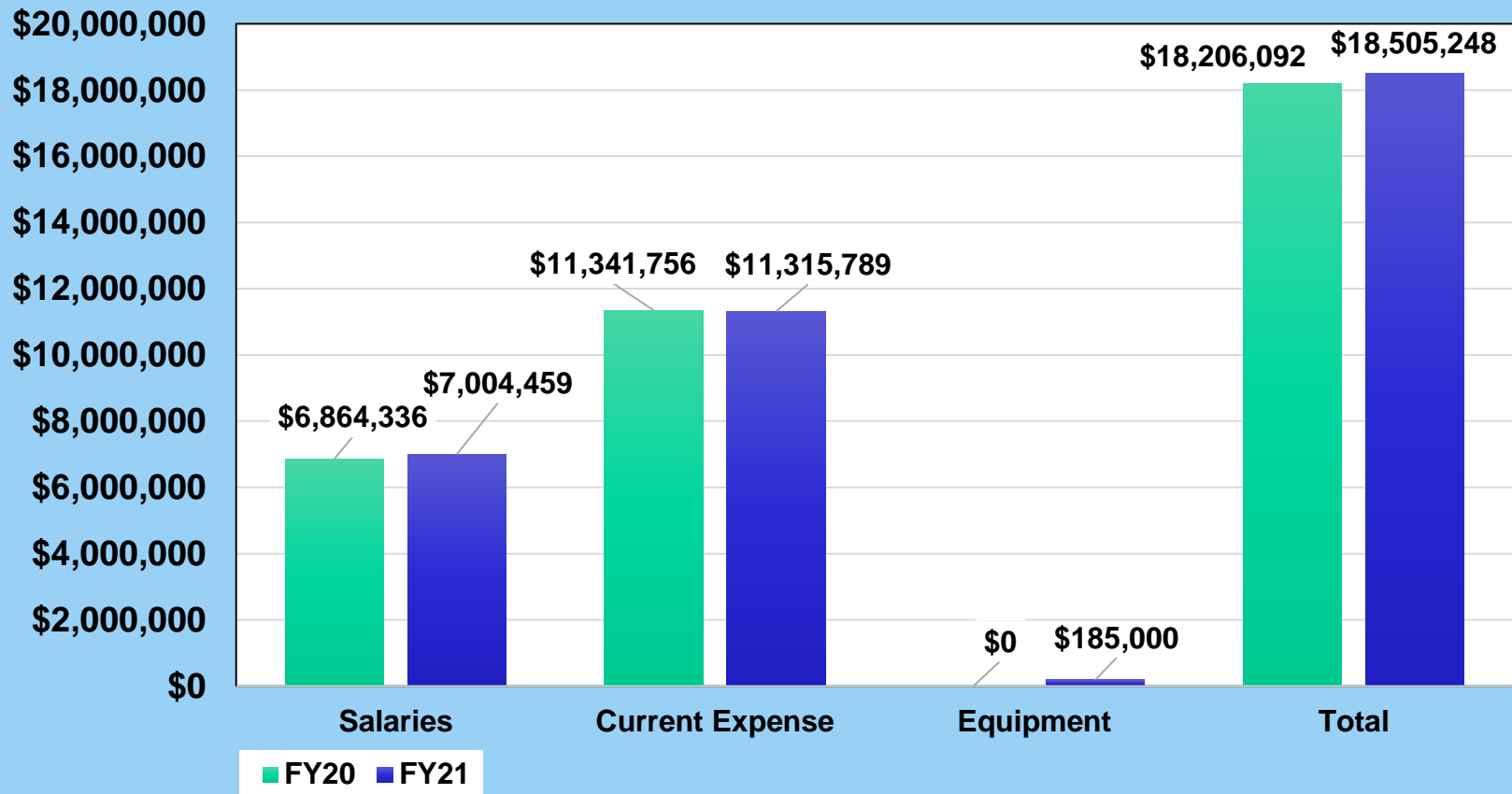
- Salary increase of 31.6% primarily due to the addition of 24 new positions.
- Increase of 25.8% in current expenses primarily due to costs for supplies, contracts (PSC), security guard services, electricity for JTMC, JTMC and rail maintenance, and payments for the LED project.
- Decrease in equipment costs.



AUTOMOTIVE EQUIPMENT SERVICES

\$18,505,248

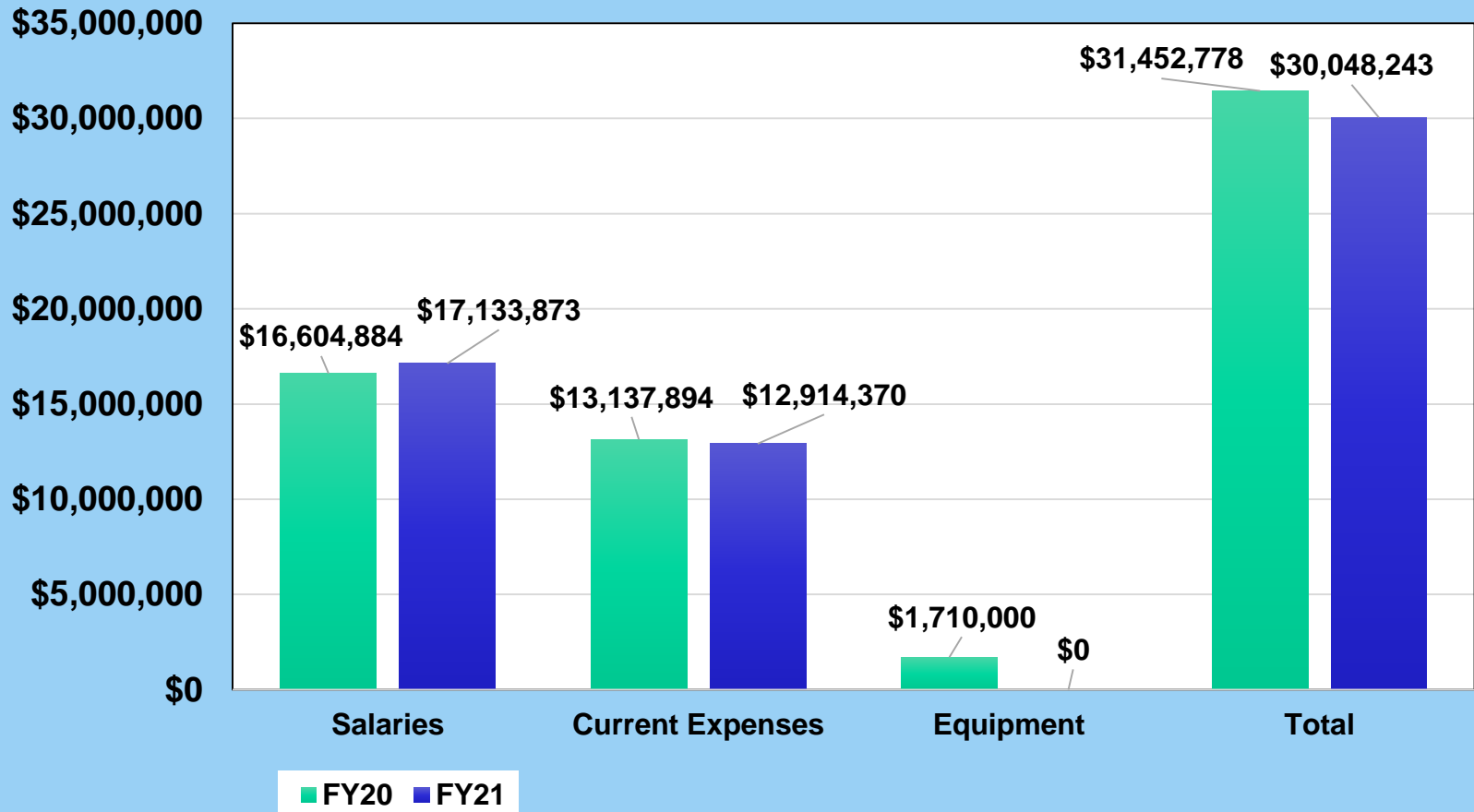
- Modest salary increase in regular pay of 2.0% over FY20 primarily due to collective bargaining unit agreement increases.
- Current expense decrease of 0.23% lower than FY20 due to lower costs of fuel and replacement parts necessary to repair vehicles.
- Increase in equipment cost in FY21.



ROAD MAINTENANCE

\$30,048,243

- Modest salary increase of 3.2% primarily due to collective bargaining unit agreement increases .
- Decrease of current expenses primarily due to a decrease in other professional services (asset management systems).
- No equipment cost in FY21.



DEPARTMENT OF FACILITY MAINTENANCE
General/Highway/Subsidized Funded Vacancies
Budgeted in Provisional for Vacant Positions

Positions

Vacant Positions as of 2/1/2020*	244
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Disposition of funded vacancies:

To be filled before July 1, 2020	127
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To be filled in FY 2021**	117
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No. of vacant positions that may be abolished

**Reflects the deletion of 101 deactivated positions.*

***Funding in the Provision for Vacant Positions accounts has been reduced.*

DEPARTMENT OF FACILITY MAINTENANCE REVENUE

FUND	ACTUAL FY19	ESTIMATED FY20	ESTIMATED FY21
GENERAL - GN (110)	\$1,202,687	\$1,246,045	\$1,292,792
HIGHWAY - HW (120)	\$551,932	\$210,405	\$199,774
SEWER - SW (170)	\$154		
BUS TRANSPORTATION (180)	\$10,780	\$100,000	\$200,000
REFUSE GENERAL SWSF - WF-GN (250)	\$479		
RECYCLING - WF-RC (259)	\$479		
SPECIAL PROJECTS (380)			
HOUSING DEV. SPECIAL (655)			
TOTAL	\$1,766,511	\$1,556,450	\$1,692,566

FY21 CIP BUDGET – MAJOR EQUIPMENT

\$6,115,000

<u>Priority</u>	<u>Equipment Item</u>	<u>Est Life</u>	<u>Units</u>	<u>Cost/Unit</u>	<u>Total Cost</u>	<u>Org</u>	<u>Justification</u>
1	Truck, Hooklift w/Pull Tarp, 13.5 cu.yd. Dump Body	12	1	\$ 250,000	\$ 250,000	2065 – Street Repair DRM	2002 International, 19473/C&C7904. Overall, vehicle in fair condition; recurring engine, transmission, and hydraulic problems. Uneconomical to continue repairing. Replacement equipment will be first of next generation of truck needed to support operation of new, relocated dewatering facility at Sand Island.
2	Milling Machine (Cold Planer)	15	1	\$ 265,000	\$ 265,000	2065 – Street Repair DRM	1998 Wirtgen W500, 43001/25D. Equipment in fair condition; engine, hydraulic, conveyor and other problems. Some rust and frequently breaks down
3	PICKUP TRUCK, 3/4-ton, four-wheel drive, inverter, cross-body tool box	10	2	\$ 80,000	\$ 160,000	1822 – Repair and Maintenance PBEM	New service trucks to allow either power-generator mechanical generator section or the electrical section to use for transportation to remote mountain radio sites safely where roadways may not be maintained and/or ponded water may need to be traversed. Sections currently have work trucks that are too low to safely drive on or through these conditions.
4	STEP VAN, 23,500 lbs. GVWR, specialized shelving, air compressor, inverter, strobes and arrow bar	10	1	\$ 110,000	\$ 110,000	1826 – Street Lighting & Maintenance Services PBEM	Replacement for 18348/ C&C7219 which is 15 years old. This vehicle is the mainstay of the underground crew and holds the majority of materials and tools associated with the repair and maintenance of metal anchors, transformer bases, and metal poles shafts.
5	Trailer (for 3-ton roller)	12	1	\$ 40,000	\$ 40,000	2077 – Kailua DRM	1999 Ziemann 1150E, 47273/T530. Equipment in poor condition; multiple problems, axle, brakes and frame. Rusty and frequently breaks down. Uneconomical to repair.
6	PICKUP TRUCK, 1/2-ton, cross-body tool box, extended rear bumper, hide-away strobes, roof-mounted arrow bar, and work lights.	10	1	\$ 45,000	\$ 45,000	1826 – Street Lighting & Maintenance Services PBEM	Replacement for 14941/C&C8167 which is 13 years old. This vehicle is used by standby personnel to respond to emergencies island-wide that involve street lights. It needs to be replaced due to its high and frequent utilization combined with age and frequent need for servicing.

White row = New Equipment, Lavender row = Replacement Equipment; Yellow row = HI funded, Blue row = GI funded

FY21 CIP BUDGET – MAJOR EQUIPMENT

\$6,115,000

<u>Priority</u>	<u>Equipment Item</u>	<u>Est Life</u>	<u>Units</u>	<u>Cost/Unit</u>	<u>Total Cost</u>	<u>Org</u>	<u>Justification</u>
7	CRANE TRUCK, 35,000 lbs. GVWR, with pole holder, extended rear bumper, pipe vise, driver's air seat, front recovery winch.	10	1	\$ 300,000	\$ 300,000	1826 – Street Lighting & Maintenance Services PBEM	The street lighting section currently has one crane that is used to install or replace metal, wood, and concrete poles along roadways or in parks; replace heavy electrical appurtenance such as transformers, meter cabinets, switchgear, etc.; and lift large material supplies such as palletized transformer bases, etc. The requested new crane will enable the section to have resiliency in its operations by having more than one crane and also allows for possible expansion of services when addressing corroded poles and bases with in-house personnel.
8	Service Trucks	12	5	\$ 75,000	\$ 375,000	2015 – Repairs and Maintenance AES	Replacement trucks for repair operations. Existing service trucks are over 14 years old and are no longer economical to retain. Trucks are equipped with service bodies, compressor and crane which are essential features when responding to trouble calls in the field.
9	Truck, 15 cu.yd. Dump Truck	12	1	\$ 195,000	\$ 195,000	2076 – Koolaupoko (Kaneohe) DRM	2002 International 5600I, 19471/C&C6759. Vehicle in poor condition; rusty dump bed, engine and hydraulic problems. Uneconomical to repair.
10	AERIAL BUCKET TRUCK, 35,000 lbs. GVWR, articulating with telescopic boom up to 45-ft platform height, fiberglass utility body, extended rear bumper, reel holders, and strobes.	10	2	\$ 300,000	\$ 600,000	1826 – Street Lighting & Maintenance Services PBEM	Replacement for 22148/C&C6435 and 22142/C&C6410 used by street lighting crews to repair street lights, civil defense sirens, and upon occasion parks lighting. Existing units are past their useful life with frequent breakdowns and repairs.

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FY21 CIP BUDGET – MAJOR EQUIPMENT

\$6,115,000

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11	Truck, 3/4 ton Utility Pick-up w/Lift gate	10	1	\$ 145,000	\$ 145,000	2080 – Flood Control – Stream Cleaning DRM	2006 Ford F-350, 16425/C&C7384. Equipment in poor condition; multiple mechanical problems; oil & hydraulic leak; body rust; electrical problems; transmission problem; engine problem. Uneconomical to repair.
12	Truck, Utility Crew Cab w/3 cu.yd. dump body	12	1	\$ 140,000	\$ 140,000	2064 – Storm Drainage DRM	2005 Ford F-450, 15364/C&C7304. Equipment in poor condition; multiple mechanical problems; oil & hydraulic leak; body rust; electrical problems; transmission problem; engine problem. Uneconomical to repair.
13	Truck, Utility Crew Cab w/3 cu.yd. dump body	12	1	\$ 140,000	\$ 140,000	2064 – Storm Drainage DRM	2005 Ford F-450, 15388/C&C7566. Equipment in poor condition; multiple mechanical problems; oil & hydraulic leak; body rust; electrical problems; transmission problem; engine problem. Uneconomical to repair.
14	Truck, Utility Crew Cab w/3 cu.yd. dump body	12	1	\$ 140,000	\$ 140,000	2066 – Carpentry & Masonry DRM	2005 Ford F-450, 15363/C&C7300. Equipment in poor condition; multiple mechanical problems; oil & hydraulic leak; body rust; electrical problems; transmission problem; engine problem. Uneconomical to repair.
15	Truck, Utility Crew Cab w/3 cu.yd. dump body	12	1	\$ 140,000	\$ 140,000	2067 – Roadside Maintenance DRM	2005 Ford F-450, 15369/C&C7298. Equipment in poor condition; multiple mechanical problems; oil & hydraulic leak; body rust; electrical problems; transmission problem; engine problem. Uneconomical to repair.
16	Truck, Utility Crew Cab w/3 cu.yd. dump body	12	1	\$ 140,000	\$ 140,000	2069 – Clean Team DRM	2005 Ford F-450, 15366/C&C7301. Equipment in poor condition; multiple mechanical problems; oil & hydraulic leak; body rust; electrical problems; transmission problem; engine problem. Uneconomical to repair.
17	Truck, Utility Crew Cab w/3 cu.yd. dump body	12	1	\$ 140,000	\$ 140,000	2086 – Street Sweeping DRM	2005 Ford F-450, 15393/C&C7726. Equipment in poor condition; multiple mechanical problems; oil & hydraulic leak; body rust; electrical problems; transmission problem; engine problem. Uneconomical to repair.

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FY21 CIP BUDGET – MAJOR EQUIPMENT

\$6,115,000

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18	Street Sweeper, Mechanical Bikeway	12	1	\$ 235,000	\$ 235,000	2063 – Road Maintenance – Administration DRM	New street sweeper designed to clean existing and newly projected protected bicycle lanes that existing street sweepers are prevented and unable to clean due to the installation of curbs and delineators.
19	Truck, 13.5 cu.yd. Dump Truck w/pull tarp	12	1	\$ 180,000	\$ 180,000	2065 – Street Repair DRM	2002 International, 19472/C&C7908. Vehicle in fair condition; engine, transmission, hydraulic and other problems. Pull tarp removed and frequently breaks down. Uneconomical to repair.
20	Truck, 13.5 cu.yd. Dump Truck w/pull tarp	12	1	\$ 180,000	\$ 180,000	2065 - Street Repair DRM	2002 International, 19473/C&C7904. Vehicle in fair condition; engine, transmission, hydraulic and other problems. Pull tarp removed and frequently breaks down. Uneconomical to repair.
21	Truck, 8 cu.yd. Dump Truck w/pull tarp	12	1	\$ 155,000	\$ 155,000	2065 - Street Repair DRM	2006 Peterbilt, 19489/C&C7417. Vehicle in fair condition; engine, transmission, hydraulic and other problems. Pull tarp removed and frequently breaks down. Uneconomical to repair.
22	Truck, 8 cu.yd. Dump Truck w/pull tarp	12	1	\$ 155,000	\$ 155,000	2071 – Ewa (Pearl City) DRM	2005 International, 19483/C&C7222. Vehicle in fair condition; engine, transmission, hydraulic and other problems. Pull tarp removed and frequently breaks down. Uneconomical to repair.
23	Truck, 8 cu.yd. Dump Truck w/pull tarp	12	1	\$ 155,000	\$ 155,000	2071 – Ewa (Pearl City) DRM	2005 International, 19484/C&C7217. Vehicle in fair condition; engine, transmission, hydraulic and other problems. Pull tarp removed and frequently breaks down. Uneconomical to repair.
24	Truck, 8 cu.yd. Dump Truck w/pull tarp	12	1	\$ 155,000	\$ 155,000	2080 – Flood Control – Stream Cleaning DRM	2006 Peterbilt, 19490/C&C7427. Vehicle in fair condition; engine, transmission, hydraulic and other problems. Pull tarp removed and frequently breaks down. Uneconomical to repair.

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FY21 CIP BUDGET – MAJOR EQUIPMENT

\$6,115,000

<u>Priority</u>	<u>Equipment Item</u>	<u>Est Life</u>	<u>Units</u>	<u>Cost/Unit</u>	<u>Total Cost</u>	<u>Org</u>	<u>Justification</u>
25	Equipment, Wheeled Loader	12	1	\$ 180,000	\$ 180,000	2072 – Wahiawa DRM	1999 Caterpillar 928G, 51144/162A. Equipment in poor condition; multiple problems, hydraulic, cylinders, brakes and engine. Rusty and frequently breaks down. Uneconomical to repair.
26	Truck, Pick up Flatbed w/Lift gate	10	1	\$ 75,000	\$ 75,000	2072 – Wahiawa DRM	2004 Ford F-450, 20210/C&C7057. Equipment in poor condition; high mileage; engine, brake and transmission problems; body rusted. Uneconomical to repair.
27	Truck, 13.5 cu.yd. Dump Truck w/pull tarp	12	1	\$ 180,000	\$ 180,000	2065 – Street Repair DRM	2002 International, 19472/C&C7908. Vehicle in fair condition; engine, transmission, hydraulic and other problems. Pull tarp removed and frequently breaks down. Uneconomical to repair.
28	SUV, mid-size, 4x4	12	1	\$ 70,000	\$ 70,000	2072 – Wahiawa DRM	2005 Ford Explorer, 10764/C&C7210. Equipment in poor condition; high mileage; engine problems, brake and front end problems; paint deterioration and body rust. Age of vehicle beyond life expectancy.
29	Message Board, Solar Full Size Full Matrix	8	4	\$ 50,000	\$ 200,000	2065 – Street Repair DRM	Road Maintenance and Special Events projects; required to meet State & City requirements for public safety and information.
30	Truck, Tractor	12	1	\$ 230,000	\$ 230,000	2080 – Flood Control – Stream Cleaning DRM	2006 Peterbilt 357, 35114/C&C7336. Equipment is deteriorating, frequently under repairs; high mileage; engine & hydraulic problems; rusting frame & chasis. Uneconomical to repair.
31	Truck, Tractor	12	1	\$ 230,000	\$ 230,000	2080 – Flood Control – Stream Cleaning DRM	2007 Peterbilt 357, 35118/C&C7315. Equipment is deteriorating, frequently under repairs; high mileage; engine & hydraulic problems; rusting frame & chasis. Uneconomical to repair.

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FY21 CIP BUDGET – MAJOR EQUIPMENT

\$6,115,000

<u>Priority</u>	<u>Equipment Item</u>	<u>Est Life</u>	<u>Units</u>	<u>Cost/Unit</u>	<u>Total Cost</u>	<u>Org</u>	<u>Justification</u>
32	Truck, Flatbed, Stakebed w/ 350 GL. Water	12	1	\$ 85,000	\$ 85,000	2069 – Clean Team DRM	2011 Ford F-450, 20240/C&C8142; stolen
33	Truck, Flatbed, Stakebed w/ 350 GL. Water	12	1	\$ 85,000	\$ 85,000	2069 – Clean Team DRM	2004 Ford F-450, 20214/C&C7095. Equipment in poor condition; high mileage; engine, brake and transmission problems; body rusted. Uneconomical to repair.
34	10,500 GVWR 6-Person Cab and Chassis with Service Body	10	4	\$ 60,000	\$ 240,000	1824 – Transit Maintenance Services PBEM	Rail Maintenance - vehicle to transport personnel to perform maintenance services along the rail route and at the stations.
				TOTAL	\$6,115,000	GI-funded \$1,525,000 HI-funded \$4,590,000	

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Fiscal Year 2021 CIP Project Summary

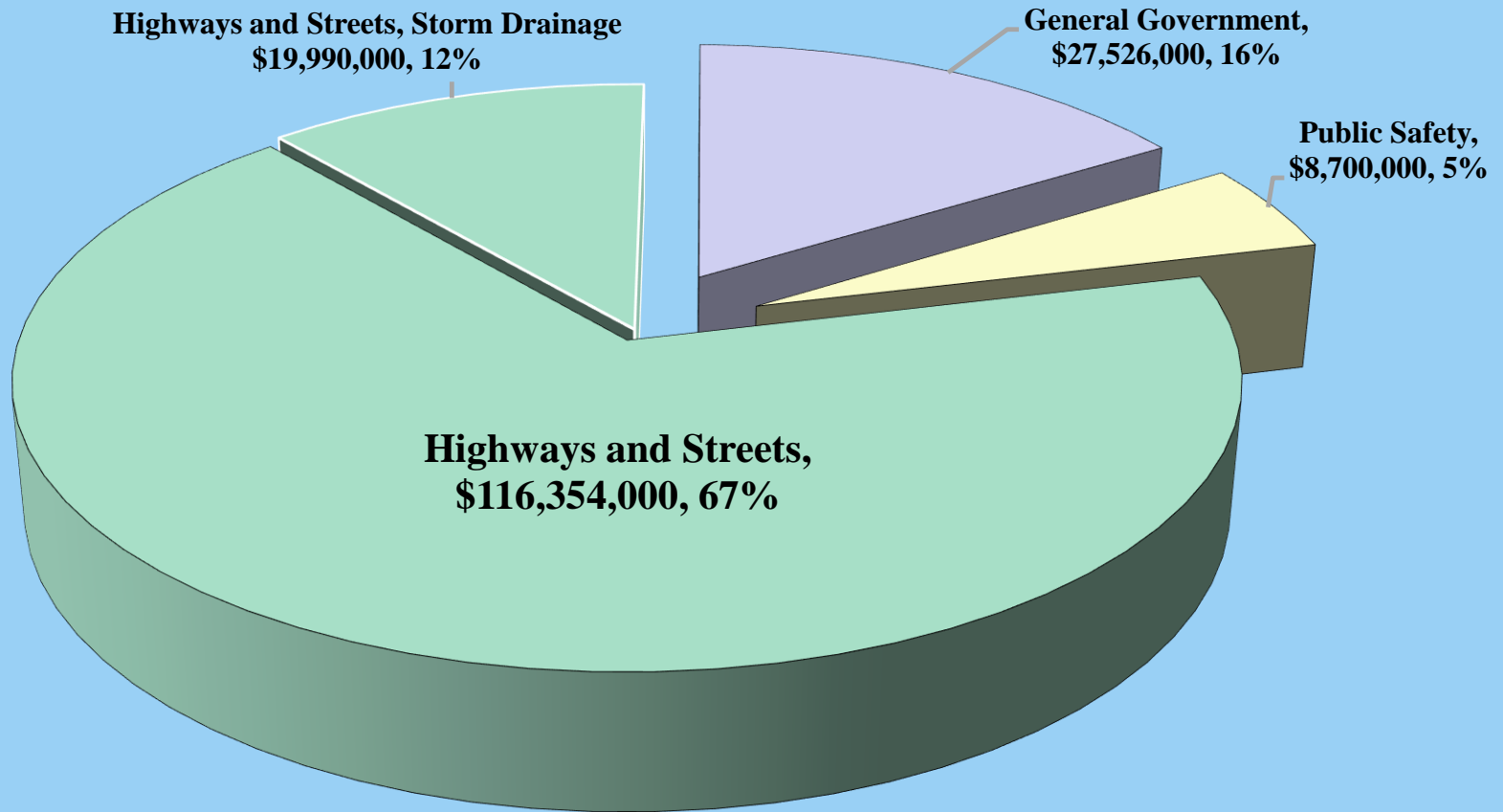


Department of Facility Maintenance

March 16, 2020

FY 2021 CIP Project Summary – Distribution of Funds

\$172,570,000



FY 2021 CIP Project Summary

General Government

Public Facilities, Additions and Improvements

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
2	Ala Moana Transit Plaza– Transit Oriented Development	L,R	\$ 5,000,000
2	Civic Center Improvements	P,D,C,I,E	\$ 1,500,000
2	Electrification of Transportation Infrastructure	P,D,C,I,E	\$ 11,176,000
3	Energy Conservation Improvements	P,D,C	\$ 1,800,000
3	Halawa Corporation Yard Improvements	D	\$ 200,000
3	Kalihi-Palama Bus Facility Improvements	D,C,I	\$ 1,000,000
3	Medical Examiner Building Improvements and Expansion	D,C,I	\$ 600,000
3	Municipal Parking Facilities Improvement	D,C,I	\$ 450,000
3	Pearl City Corporation Yard Renovations	C,I	\$ 2,600,000
3	Public Building Facilities Improvements	P,D,C,I,E	\$ 1,500,000

FACILITIES MAINTENANCE

3	Municipal Facilities Improvements	P,D,C,I,E	\$ 1,500,000
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Public Facilities, Improvements, and Land Acquisition

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
4	Land Expenses	L,R	\$ 200,000
			\$ 27,526,000

FY 2021 CIP Project Summary - Continued

Public Safety

Flood Control

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
8	Flood Control Improvements at Various Locations	L,P,D,C,I	\$ 2,200,000

Other Protection - Miscellaneous

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
8	Emergency Operations Center	D	\$ 1,000,000

Other Protection - Miscellaneous

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
8	Drainage Outfall Improvements	L,P,D,C,I	\$ 600,000
9	Kuahea Street Area Movement, Palolo Valley	L,D,C,I	\$ 4,000,000
9	Rock Slide Potential Inspections and Mitigative Improvements	L,P,D,C	<u>\$ 900,000</u>
			\$ 8,700,000

FY 2021 CIP Project Summary - Continued

Highways and Streets

Highways, Streets, and Roadways

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
11	Curb Ramps at Various Locations, Oahu	L,D,C,I	\$ 1,000,000
11	Guardrail Improvements	L,D,C,I	\$ 250,000
11	Rehabilitation of Streets	D,C,I	\$ 50,000,000
11	Salt Lake Boulevard Widening	L,D,C	\$ 23,574,000
11	Utility Share Expenses	C	\$ 100,000

FACILITIES MAINTENANCE

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
11	Reconstruction of Sidewalks	C,I	\$ 1,000,000

TRANSPORTATION SERVICES

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
12	Intermodal Connectivity Improvements	L,P,D,C,I	\$ 35,700,000

Bridges, Viaducts, and Grade Separation

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
12	Ala Wai Bridge	D,C	\$ 1,730,000
12	Bridge Rehabilitation at Various Locations	P,D,C,I	\$ 2,500,000

FY 2021 CIP Project Summary - Continued

Highways and Streets

Storm Drainage

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
12	Drainage Improvements at Various Locations	L,P,D,C,I	\$ 9,190,000
12	Erosion Control Improvements	D,C,I	\$ 2,850,000
13	Reconstruction of Storm Drain Structures, Kakaako	D,C	\$ 1,600,000

FACILITIES MAINTENANCE

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
13	NPDES Improvements along Kuhio Beach	C,I	\$ 250,000
13	NPDES MS4 Erosion Prone Area Improvements	C,I	\$ 900,000
13	NPDES MS4 Retrofit Structural BMP Improvements Program	C,I	\$ 650,000
13	NPDES MS4 Structural BMPS for City Industrial Facilities	C,I	\$ 750,000
13	NPDES MS4 Structural BMPS for Trash Reduction	C,I	\$ 650,000
13	NPDES MS4 TMDL Structural BMP Improvements Program	C,I	\$ 1,150,000
13	Rehabilitation/Reconstruction of Storm Drains & Catch Basins	D,C	\$ 2,000,000

Street Lighting

DESIGN AND CONSTRUCTION

<u>Page</u>	<u>Project Title</u>	<u>Phases</u>	<u>Total</u>
14	Street Light Meter Cabinets, Transformers & Street Lighting Improvements	D,C	\$ 500,000
			\$ 136,344,000

